

Title (en)  
A PRESSURE RELIEF ARRANGEMENT

Title (de)  
DRUCKENTLASTUNGSANORDNUNG

Title (fr)  
AGENCEMENT DE DÉCOMPRESSION

Publication  
**EP 3923428 A1 20211215 (EN)**

Application  
**EP 20179211 A 20200610**

Priority  
EP 20179211 A 20200610

Abstract (en)  
The arrangement comprises a pressure relief hatch (100) for closing an opening (200) in a wall (30) in an electric cabinet. The pressure relief hatch comprises a body (110) having an outer surface (111), an opposite inner surface (112), an outer perimeter (113), and a thickness. The body comprises a centre portion (120) with a first thickness (T1), an intermediate portion (130) with a second thickness (T2), and an outer portion (140) with a third thickness (T3). The first thickness is greater than the third thickness and the second thickness decreases in a radially outward direction from the first thickness to the third thickness. A spring keeps the pressure relief hatch in a closed position in the opening during normal operation of the electric cabinet.

IPC 8 full level  
**H02B 1/28** (2006.01)

CPC (source: CN EP US)  
**F16K 17/0413** (2013.01 - CN US); **F16K 17/164** (2013.01 - CN); **H02B 1/013** (2013.01 - US); **H02B 1/28** (2013.01 - EP); **H02B 1/30** (2013.01 - CN); **H02B 1/306** (2013.01 - US); **H02B 1/565** (2013.01 - CN US); **H05K 5/068** (2013.01 - US)

Citation (search report)  
• [I] CN 210004162 U 20200131 - FOSHAN HUALIANG BUNSEN GAS EQUIPMENT CO LTD  
• [I] CN 210517575 U 20200512 - JIANGXI SUNYOUNG ELECTRIC CO LTD

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 3923428 A1 20211215**; **EP 3923428 B1 20221214**; CN 113775798 A 20211210; US 11572959 B2 20230207; US 2021388912 A1 20211216

DOCDB simple family (application)  
**EP 20179211 A 20200610**; CN 202110637640 A 20210608; US 202117329475 A 20210525